



Philips Cineos
flat HDTV with Perfect
Pixel HD Engine and
Ambilight 2 channel

94 cm (37")

LCD
DVB-T MPEG4

CINEOS

37PFL9642D



Turn up your viewing experience

with Perfect Pixel HD and Ambilight

Enjoy the ultimate viewing experience of this Philips Cineos Flat TV with integrated MPEG-4 HDTV receiver, Perfect Pixel HD Engine, Ambilight 2-channel, a Full HD 1080p display and 100 Hz Clear LCD technology.

Immersive viewing experience

- Full HD LCD display, with a 1920x1080p resolution
- HDTV with MPEG4 to enjoy true-to-life HD pictures
- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- 100Hz Clear LCD for superb motion sharpness (3ms)
- 2-channel active Ambilight enhances the viewing experience
- HD Natural Motion for ultra smooth motion in Full HD movies

True beauty lies in the details

- Matching design swivel stand

Perfect picture quality from your digital photos

- USB Connector for easy, instant multimedia playing

For advanced performance

- 2 HDMI inputs for full digital HD connection in one cable

PHILIPS

Highlights

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

HDTV with MPEG4

HDTV allows you to receive high definition terrestrial broadcasted content via an integrated DVB-T tuner for both MPEG-2 and MPEG-4 formats. Without additional set-top box you will get an exceptional picture and sound quality.

Perfect Pixel HD Engine

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artifact and noise detection

and reduction in all content sources - from multimedia to standard TV.

100Hz Clear LCD

100Hz Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Ambilight 2 channel

Ambilight makes an impressive contribution to the overall viewing experience by producing ambient light to complement the colors and light intensity of the on-screen image. It adds a new dimension to the viewing experience, completely immersing you into the content you are watching. It creates ambiance, stimulates more relaxed viewing, and improves perceived picture detail, contrast and color. Ambilight automatically and independently adapts its colors according to the changing content on the screen.

Pre-mounted swivel stand

For maximum freedom of placement, this high-quality stand is designed specifically for this TV.

The stand comes pre-mounted to the TV out of the box. It allows easy placement of your Flat TV without the hassle of building the stand to the TV first. Enjoy the best viewing angle by swivelling it to your personal preference.

USB Multimedia Connector

The USB connector allows access to multimedia jpg, mp3 and alb files of most USB-sticks and most digital cameras (USB 1.1 memory-class device). Plug the USB into the slot at the side of the TV and access your photos or music files. This makes you easily viewing and sharing your photos and music.

2 HDMI inputs

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection. With 2 HDMI inputs you can connect multiple HD sources, for instance an HD settop box, and a Blu-ray player. Your TV is fully prepared for the HD future.

Specifications

Picture/Display

- Color cabinet: Anthracite dark
- Aspect ratio: Widescreen
- Brightness: 550 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic screen contrast: 8000:1
- Response time (typical): 3 (BEV equiv.) ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 37 inch / 94 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Color processing: 4 trillion colors (14bit RGB)
- Picture enhancement: Perfect Pixel HD Engine, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60Hz processing, 1080p 24/25/30Hz processing, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Jagged Line Suppression, Progressive scan, Pulse Killer Chip, Widescreen Plus, 100Hz Clear LCD, Double frame rate
- Screen enhancement: Anti-Reflection coated screen

Ambilight

- Ambilight Features: Ambilight 2 Channel, Auto adaptive to video content, Full operation in stand-by
- Ambilight light system: LED wide color
- Dimming Function: Manual and via Light Sensor

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1920 x 1080i	60Hz
1920 x 1080p	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 25, 30Hz
1080p	24, 50, 60Hz

Sound

- Output power (RMS): 2x8W
- Sound Enhancement: Digital Signal Processing, Graphic Equaliser, Dynamic Bass Enhancement
- Sound System: Virtual Dolby Digital, BBE

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: Integrated woofers with wOOx, Dome tweeter

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Smart Clock
- Ease of Installation: Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug & Play
- Ease of Use: 4 favorite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control
- Electronic Program Guide: Now + Next EPG, 8 day Electronic Program Guide
- Remote Control: TV
- Remote control type: RC4450
- Screen Format Adjustments: unscaled (1080p dot by dot), 4:3, 6 Widescreen Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen
- Picture in Picture: Text dual screen
- Teletext: 1200 page Hypertext
- Teletext enhancements: Habit Watch, Program information Line
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in

Multimedia Applications

- Multimedia connections: USB
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB-T MPEG4*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, RGB
- Ext 3: YPbPr, Audio L/R in
- Ext 4: HDMI v1.3
- Ext 5: HDMI v1.3
- HDMI features: Cable equalization, Category 1 and 2 cables, Compressed audio, Multirate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- Front / Side connections: Audio L/R in, CVBS in, Headphone Out, S-video in, USB
- Other connections: Analog audio Left/Right out, S/PDIF out (coaxial), Common Interface

Power

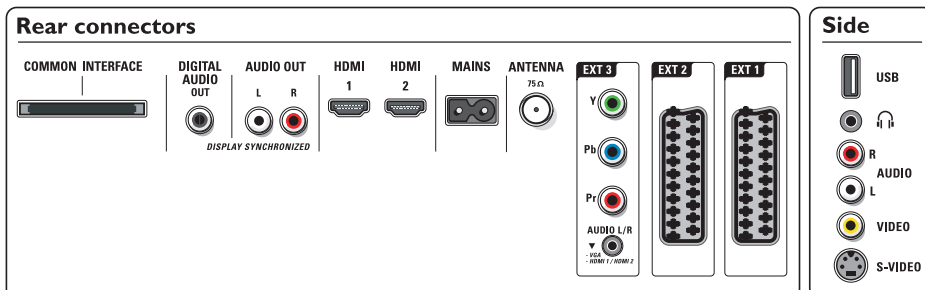
- Ambient temperature: 5 °C to 35 °C
- Mains power: AC 220 - 240 V +/- 10%
- Power consumption: 165 W
- Standby power consumption: 0.8 W

Accessories

- Included accessories: Tabletop swivel stand, RF antenna cable

Dimensions

- Set dimensions (W x H x D): 950 x 612 x 125 mm
- Set dimensions with stand (H x D): 677 x 184 mm
- Product weight: 24.7 kg
- Product weight (+stand): 27.6 kg
- Box dimensions (W x H x D): 1066 x 818 x 300 mm
- Weight incl. Packaging: 29.7 kg
- VESA wall mount compatible: 600 x 400 mm



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